

# Power Cost Memorandum Fuel Cost Update

Date: May 19, 2022

Utility Name (Cert. No.) <b>Puvurnag Power Company (395)</b>	Utility File No. <b>PC07-0417H</b>	Date Filed: <b>April 14, 2022</b>
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PCE AMOUNT SUMMARY	Previously Approved PC07-0417G	Staff Recommended Amount(s) and Effective Date PC07-0417H
Class Rate	<u>Date Approved:</u> July 1, 2021	May 20, 2022
Safewater Facilities	\$0.2945	\$0.2567
All Others	\$0.2945	\$0.2567
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price: <u>\$2.8158</u>	New Fuel Purchase Price: <b>\$ 2.7969</b>
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous _____ Updated _____

Weighted Average Fuel Price/Gal. Calculation					
	<u>Gallons</u>		<u>Price</u>		
On-hand before deliv.	92,787	X	2.8158	=	261,270.06
Delivered	65,000	X	2.7700	=	180,050.00
	<u>157,787</u>				<u>\$ 441,320.06</u>
					Weighted Average <u>\$ 2.7969</u>

Signed: *Brenda Cox*  
Brenda Cox

Utility Financial Analyst

## Commission decision re. this recommendation :

	Date (if different from 5/19/22)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<i>RMP</i>		
Kurber		<i>KIT</i>		
Scott		<i>AGS</i> AGS		
Sullivan		<i>DS</i> DS		
Wilson		<i>JWW</i> JWW		

## Special Instructions to Staff:

\* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

# PUVURNAQ POWER COMPANY

POWER COST EQUALIZATION CALCULATION  
FOR TEST PERIOD ENDING DECEMBER 31, 2016

## Fuel Cost Update

APPENDIX 1

	PC07-0417G	PC07-0417H	
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Generated/Purchased	1,428,460	1,428,460	1,428,460
B. Total kWh Sold (Appendix 2)	1,151,500	1,151,500	1,151,500
C. Total Non-Fuel Costs (Appendix 2)	347,659	347,659	347,659
<b>D. Non-Fuel Cost/kWh (C / B)</b>	<b>\$0.3019</b>	<b>\$0.3019</b>	<b>\$0.3019</b>
E. Total Fuel Costs (Appendix 2)	239,930	194,191	194,191
<b>F. Fuel Costs/kWh (E / B)</b>	<b>\$0.2084</b>	<b>\$0.1686</b>	<b>\$0.1686</b>
<b>G. Eligible Costs/kWh (D + F)</b>	<b>\$0.5103</b>	<b>\$0.4706</b>	<b>\$0.4706</b>
H. Eligible Cost/kWh (G) Less \$0.2003 per kWh	\$0.3100	\$0.2703	\$0.2703
I. The lesser of (H) or .7997 cents/kWh	\$0.3100	\$0.2703	\$0.2703
J. Average Class Rates (Appendix 3)			
Safewater Facilities	\$0.4697	\$0.4697	\$0.4697
All Others	\$0.4697	\$0.4697	\$0.4697
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J)			
Safewater Facilities	\$0.2945	\$0.2567	\$0.2567
All Others	\$0.2945	\$0.2567	\$0.2567
<b>L. Funding Level in Effect:</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
Safewater Facilities	<b>\$0.2945</b>	<b>\$0.2567</b>	<b>\$0.2567</b>
All Others	<b>\$0.2945</b>	<b>\$0.2567</b>	<b>\$0.2567</b>

PC07-0417H  
Appendix 1

# PUVURNAQ POWER COMPANY

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY  
FOR TEST PERIOD ENDING DECEMBER 31, 2016

## Fuel Cost Update

		PC07-0417G	PC07-0417H	
		Prior Commission Approval	Per Utility	Staff Recommended
<b>Non-Fuel Costs:</b>				
A.	Personnel Costs	231,232	231,232	231,232
B.	Operating Expenses	25,209	25,209	25,209
C.	General & Administrative	76,928	76,928	76,928
D.	Depreciation	14,661	14,661	14,661
E.	Interest Expense	2,476	2,476	2,476
F.	Other: Pole Rental Revenue	(2,847)	(2,847)	(2,847)
<b>G.</b>	<b>Total Non-Fuel Costs</b>	<b>\$347,659</b>	<b>\$347,659</b>	<b>\$347,659</b>
<b>Fuel Costs:</b>				
H.	kWh purchased from Calista during Test Year	143,317	143,317	143,317
I.	Puvurnaq power cost cost per kWh	0.31	0.00	0.00
	<b>Cost of purchased power</b>	<b>\$44,428</b>	<b>\$0</b>	<b>\$0</b>
J.	Gallons Consumed for Electric Generation	69,430	69,430	69,430
K.	Price of Fuel:( per gal)	\$2.8158	\$2.7969	\$2.7969
	Weighted Average			
	Total Fuel Costs	\$195,501	\$194,191	\$194,191
<b>L.</b>	<b>Total Fuel Costs/Purchase Power</b>	<b>\$239,930</b>	<b>\$194,191</b>	<b>\$194,191</b>
	M.1 kWh Purchased	143,317	143,317	143,317
M.	M.2 kWh Generated Diesel	854,760	854,760	854,760
	M.3 kWh Generated Wind	430,383	430,383	430,383
	M.4 Total Generated/Purchased	1,428,460	1,428,460	1,428,460
N.	kWh Sales	1,151,500	1,151,500	1,151,500
O.	kWh Station Service	141,295	141,295	141,295
P.	Efficiency (M.2/J)	12.31	12.31	12.31
	Standard	≥ 12.0		
Q.	Line Loss	9.50%	9.50%	9.50%
	≤ 12%			
(Total kWh Generated -(kWh sold+Station Service))/Total kWh Generated				

PC07-0417H  
Appendix 2

**CALCULATION OF AVERAGE CLASS RATE PER kWh**

Rate Schedule: All Others

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to	0.6700		0.6700	335.0000		
to						
to						
to						
<b>Max</b> 500			<b>Total</b>	<b>335.0000</b>	<b>0.6700</b>	<b>0.4697</b>

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to						
to						
to						
to						
<b>Max</b> 500			<b>Total</b>			

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to						
to						
to						
to						
<b>Max</b> 500			<b>Total</b>			

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to						
to						
to						
to						
<b>Max</b> 500			<b>Total</b>			

## CALCULATION OF COMMUNITY FACILITY AVERAGE RATE PER kWh

Rate Schedule: **Safewater Facility**

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(6) Average Rate(\$/kWh)- \$ 0.2003
0 to	0.6700		0.6700	<b>0.469700</b>
to				
to				

Rate Schedule:

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(6) Average Rate(\$/kWh)- \$ 0.2003
0 to				
to				
to				

Rate Schedule:

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(6) Average Rate(\$/kWh)- \$ 0.2003
0 to				
to				
to				

Rate Schedule:

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(6) Average Rate(\$/kWh)- \$ 0.2003
0 to				
to				
to				

**PUVURNAQ POWER COMPANY**

	Invoice Number	Delivery Date	Gallons	Cost per Gallon	Delivery/ Mark-Up per Gallon	Total Cost
Beginning Fuel Inventory			92,787			
Last Approved Fuel Cost/Gal.				\$ 2.8158		
Beginning Fuel Inventory in Gallons	X	Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost ---->				\$ 261,270
Reporting Period Purchases	8483	06/28/21	50,000	2.7700		138,500
	8260	01/29/21	15,000	2.7700		41,550
						-
						-
						-
						-
						-
						-
						-
						-
						-
						-
						-
Totals for Reporting Period Purchases on this sheet:			65,000			180,050
Grand Totals (beginning inventory plus purchases)	A		157,787		B	\$ 441,320

Grand Total Cost divided by Grand Total Gallons = 2.7969 Weighted Avg. Cost per gallon  
Purchases: Total Cost divided by Total Gallons Purchased = 2.7700 Weighted Avg. Cost per gallon

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